

# KERN 440-53N

The classic balance in the laboratory

# KERN



oz  
ffa  
tol

Display	
Display type	LCD
Display backlight	✓
Display digit height	15 mm

Construction	
Dimension housing (W×D×H)	165×230×80 mm
Dimensions weighing surface (W×D)	150×170 mm
Dimensions weighing surface	150×170 mm
Material housing	plastic
Material weighing plate	stainless steel

Functions	
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Underfloor weighing	Hook (optional)
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	3.000
Smallest piece weight when piece counting - laboratory conditions	2 g
Smallest piece weight when piece counting - normal conditions	20 g
Reference quantity	5, 10, 20, 25, 50
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Tare function	manual (multi)
Number of keys for operation	5

Interface	
Interfaces	RS-232 standard
EasyTouch (ET) - Connection type	über alle verfügbare Schnittstellen möglich

Power Supply	
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	440

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
Readability [d]	1 g
Reproducibility	1 g
Linearity	± 2 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 kg
Resolution	6.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (M2)
Possible calibration points	1 kg; 2 kg; 5 kg; 6 kg
Stabilization time	2 s
Warm-up time	30 min
Eccentric loading at 1/3 [Max]	3 g
Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 g
Default unit	g

Units	g
	dwt
	tl (Tw)
	tl (HK)
	ozt
	mo
	lb

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## Pictograms

### STANDARD



### OPTION



	US CH
Input voltage power supply / power [Max]	100 - 240 V AC 50/60 Hz 0.5 A
Input voltage device / power [Max]	9 V, 300 mA
Battery / accumulator type	NiMH
Battery	9 V block
Battery connection	9V Bloc
Battery operating time	20 h
Rechargeable battery	FCB-A01
Rechargeable battery operating time - backlight off	20 h
Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional

## Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

## Approval

CE mark	✓
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## Services (optional)

Article number for adjustment at the location of installation	961-248
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

## Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	350×210×170 mm
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,8 kg
Shipping weight	2,5 kg